

## PORTABLE TESTING SETS



No. 5300



No. 5410



No. 5365



No. 5420

### No. 5300 TYPE S PORTABLE TESTING SETS

All switch contacts are enclosed and thus protected from dust and dirt. The galvanometer which is mounted in the instrument is quite rugged and is easily removed should it ever need repairing. By means of two small double throw switches the internal connections are quickly changed for the various tests for which the set is intended. The contained battery is of the commercial flash light type, and thus renewals are easily obtainable. A switch is provided on the instrument in order that an external battery may be used if desired.

This instrument may be used for making the following measurements:

Resistances, fault location, (Murray Loop or Varley Loop).

Location of opens, insulation resistances up to a few megohms.

The set measures, when closed  $7\frac{3}{8}$  inches x  $8\frac{3}{4}$  x  $4\frac{1}{2}$  inches.

| Trade No. | Mfrs. No. | Description                        | Wt. Lbs. | Price Each |
|-----------|-----------|------------------------------------|----------|------------|
| 116422    | 5300      | Type S portable testing set....    | 8        | \$90.00    |
| 116423    | 5301      | Leather carrying case for above... |          | 10.50      |
| 116424    | 5308      | Extra battery.....                 |          | 1.00       |

### No. 5410 TYPE T PORTABLE TESTING SETS

No. 5410 testing set is very compact yet there is plenty of room for manipulating the dials, switches and binding posts.

Fault location by Murray and Varley loop methods. A single three-way switch of the type used on telephone switchboards enables the operator with a single motion to make immediate connections for resistance measurements, for Murray loop test or for Varley loop tests. Insulation resistance up to several megohms.

|        |      |                                 |                 |
|--------|------|---------------------------------|-----------------|
| 172194 | 5410 | Type T Portable Testing Set     | 125.00          |
| 116423 | 5301 | Leather carrying case for above | On application. |
| 116424 | 5308 | Extra battery.....              | .75             |

### No. 5365 BRIDGES

#### For Locating Faults in Power Circuits

In locating faults in power cable, unless specially designed apparatus is provided for the purpose, it will be almost impossible to get satisfactory results. The resistance of the cable being so low, avoidance of error due to contact and lead resistances must be carefully provided for. A galvanometer is provided, as are also the necessary leads for connecting to the cable under test. Locations are made by the Murray loop method.

|        |      |             |                |
|--------|------|-------------|----------------|
| 172195 | 5365 | Bridge..... | On application |
|--------|------|-------------|----------------|

### No. 5420 FAULT FINDERS

This is a simple and reliable instrument for the location of faults, crosses and ground on telegraph and telephone lines, and for the measurement of conductor and installation resistance.

The fault finder may be used for the following measurements:

Resistance measurements between 5 ohms and 4000 ohms to a moderate accuracy. Fault location, (Murray Loop or Varley Loop). Location of opens, insulation resistance.

Many telephone companies hesitate to adopt the bridge method of cable testing because of the more or less complicated appearance of the ordinary portable test set. To such companies the Fault Finder is strongly recommended because of its simplicity.

|        |      |  |       |
|--------|------|--|-------|
| 116431 | 5420 | Fault Finder.....  | 85.00 |
| 116432 | 5421 | Leather carrying case for above..                                | 10.50 |
| 172193 | 5428 | Battery of 6 cells mounted in box ready for mounting in set..... | 9.00  |